

Fig. 1

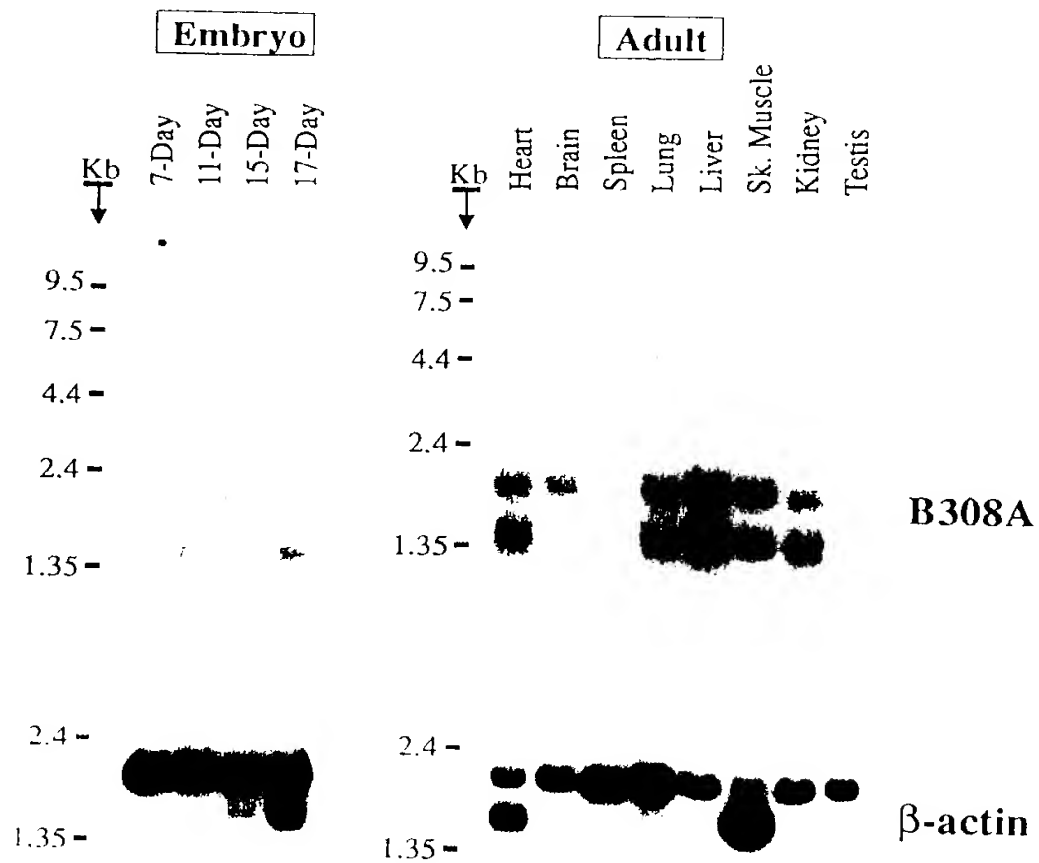


Fig. 2

1 TTGCCCTCAA CAAAGATGGT CTTTATGGTA CAGGTTCCCT AGCAGTCTGG
51 ATTCCGGTTG TAGTTT TAGT TATTCTTTTT TTTTTTTTTT TAAACGGTAC
101 GTGGTCGCAG ACGAAGAAAT GGAAGCCAGA GACAAGCAGG TACTCCGCTC
151 CCTGCGTCTG GAGCTGGGTG CCGAGGTACT GGTGGAAGGA CTGGTTCTTC
201 AGTACCTTTA CCAGGAAGGA ATTTTGACAG AAAACCACAT TCAAGAAATC
251 AAAGCTCAAA CCACAGGCCT CCGGAAGACA ATGCTGTTGC TGGACATCCT
301 GCCTTCCAGG GGCCCCAAAG CTTT TGACAC CTTCTCGAT TCCCTCCAGG
351 AATTTCCCTG GGTAAGAGAG AAGCTGGAGA AGGCGAGAGA GGAAGTCTCA
401 GCCGAGCTGC CTACAGGTGA CTGGATGGCC GGAATCCCCT CACACATCCT
451 CAGCAGCTCG CCATCAGACC AGCAGATTAA CCAGCTGGCT CAGAGGCTAG
501 GCCCGGAGTG GGAGCCCGTG GTCCTGTCTC TGGGACTGTC CCAGACCGAC
551 ATCTACCGCT GCAAGGCCAA CCATCCCCAC AACGTGCATT CGCAGGTGGT
601 GGAGGCCTTT GTCCGCTGGC GCCAGCGTTT TGGGAAGCAG GCCACCTTCC
651 TAAGCTTACA CAAGGGCCTC CAGGCAATGG AGGCTGATCC CTCCCTGCTC
701 CAGCACATGC TGGAGTGACC TGACCCCCC CCGCGCCCCC CCCCCACTTG
751 CTGTGGGGGT GGTGGGGCGT GGGTTCCCAA GTCACACTGG CTGAACCGGA
801 CTTTTCTCAG CAGGTGGCTT TGTTCTGGGC TTTTCAGTGA TCTGTTTACG
851 GAAAGAGATC GTCCACCACT CACTCAACCA TCGATTGGCT TTAATTGCTT
901 GAAGACTGCG CTGTTGTAAC TATGGTTTGG AACTTTGTGG CTGGCCTTTA
951 ACAGGAGGCC AGAAAAAACA CAACACCCAC CCTACCCAAC CCCCCAAAAA
1001 ATCATGCTAC AGCATCGAAT GCAGGTGTCC TGCATACAAG GCAGCTACAC
1051 TTGTGTTGCC TGGAGACTGG ATTGTGCATT TAGCTCTTCA TAATGGTGAT
1101 GATAATAAAA AAGCAAATG TGATATAGAA TGTGCCTCTT TCAATGAGAG
1151 AGTATTATAT CACACACACA CACACACACA CACACACACA TACACACACA
1201 CACACCAATC TTCTGTTGCA TAGACGGAGG GTGTAAAAAT ATGGGAGTGG
1251 AGCAAGATTG ATAGCAGTCA TGTGACGACG GAGATAAATA ACTCAGGCAG
1301 GATGTATAGA TTAAGCATGA GACACCGAAG CTCCCTGCAG AGGCCAGGGA
1351 GAGAACGGAA GACCTTCATC TTAACAAATT GTATGAGGAG TCTCTGTCCA
1401 TTTGTTAAAG GCATTGGATC AGAGACAAGA GGGCTCAGTG TTTCTCTTGA
1451 GGCCTGAATG GCTGAAGGCG GTGAGTTCCC GAGGGGCGTC ATGGGTTGTC
1501 CAGCCTTTCA TTAAGTGCAC ATAGTGTTAG CCAGACAGGT GTACGTGTTT
1551 GTCATCCCAT CTAAGAGACT GAAGCAGGAG GATCACCTGT ACATGACTGC
1601 TTCTTTCAAC ATTTTAAAAAT GTGTAAGTTC TATTAAATTC TCTCAGTGCA
1651 AAAAAAAAAA AAAAAA

Fig. 3A

MEARDKQVLRSLRLELGAEVLVEGLVLQYLYQEGILTENHIQEIKAQTTG
 LRKTMILLIDILPSRGPKAFDTFLDSLQEFPWVREKLEKAREEVSAELPTG
 DWMAGIPSHILSSSPSIDQQINQLAQRLGPEWEPVVLSLGLSQTDIYRCKA
 NHPHNVHSQVVEAFVRWRQRFQKQATFLSLHKGLQAMEADPSLLQHMLE"

Fig. 3B

(1) →
 1 GAAGAAATGG AAGCCAGAGA CAAGCAGGTA CTCCGCTCCC TGCCTCTGGA
 (2) →
 51 GCTGGGTGCC GAGGTACTGG TGGAAGGACT GGTTCCTCAG TACCTTTACC
 101 AGGAAGGAAT TTTGACAGAA AACCACATTC AAGAAATCAA AGCTCAAACC ←
 (3) ←
 151 ACAGGCCTCC GGAAGACAAT GCTGTTGCTG GACATCCTGC CTTCCAGGGG
 (4) ←
 201 CCCCAAAGCT TTTGACACCT TCCTCGATTC CCTCCAGGAA TTTCCCTGGG
 251 TAAGAGAGAA GCTGGAGAAG GCGAGAGAGG AAGTCTCAGC CGAGCTGCCT
 301 ACAG

Fig. 4

1 ggaaatggag gctagagaca agcaagtget tegctccctt cgccctggagt
 51 tgggtgcaga ggtactggtg gaggggctag tccctccagta tctttatcag
 101 gaaggggtct tgacagaaaag ccacgttcaa gaaattaaag ctcaagccac
 151 aggcctccgg

Fig. 5

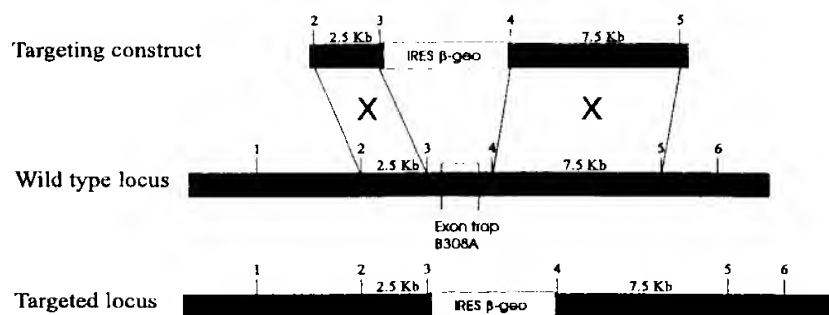


Fig. 6

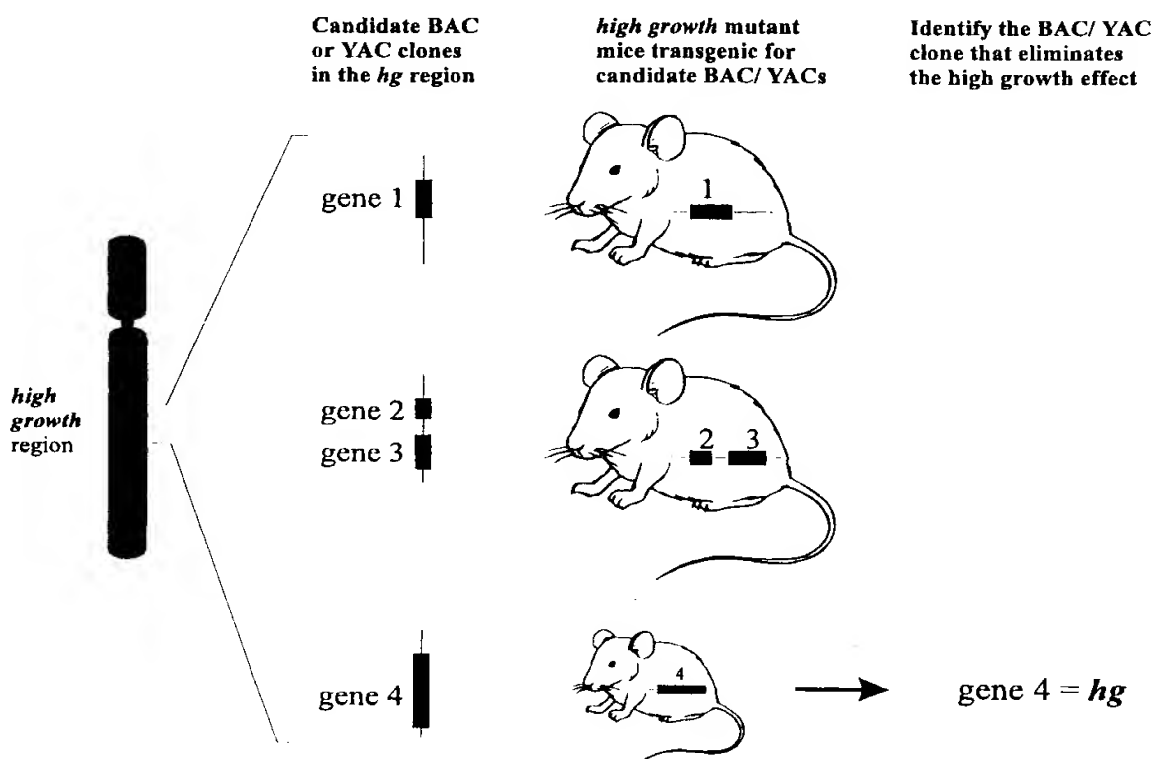


Fig. 7

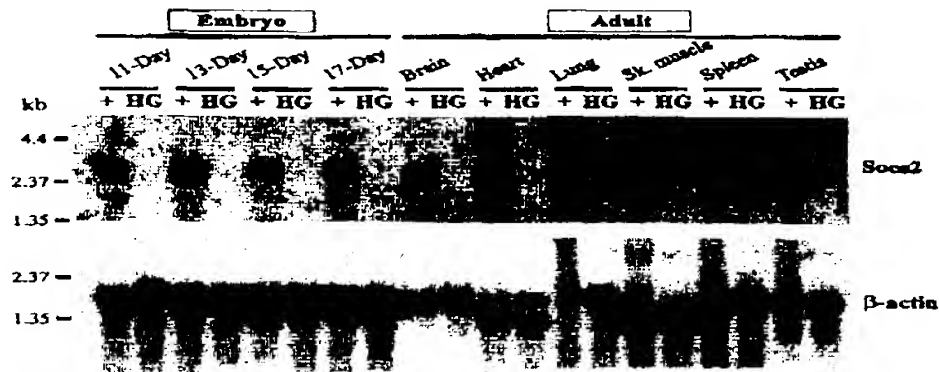


Fig. 8

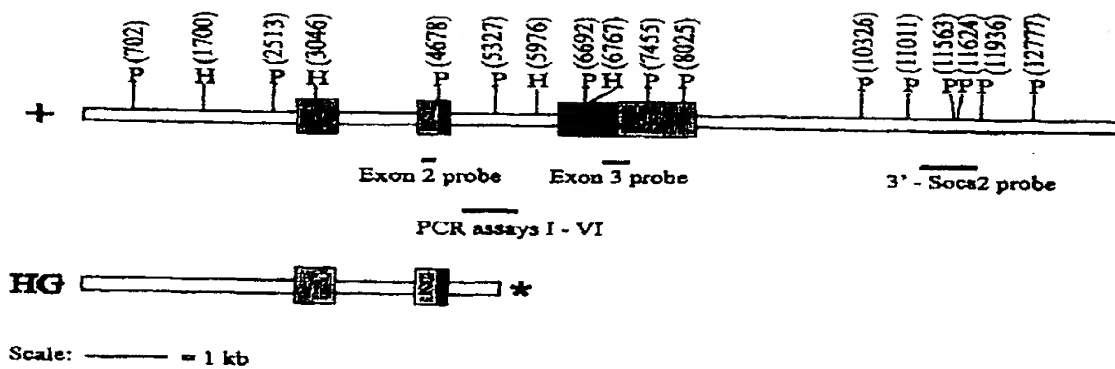


Fig 9a

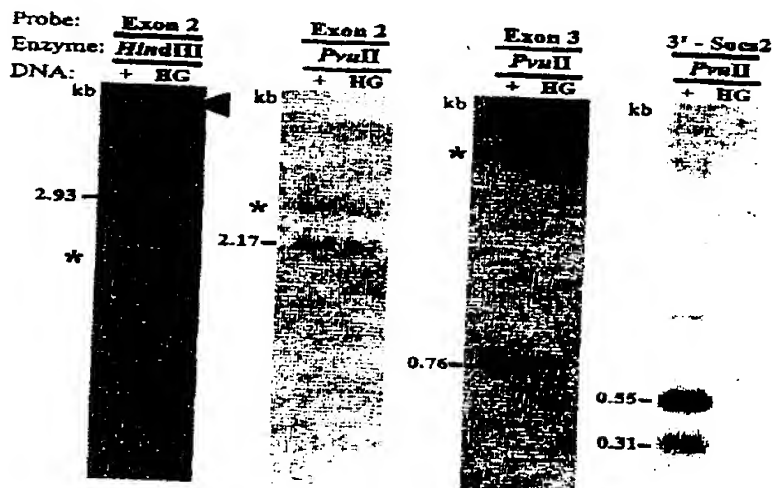


Fig 9b

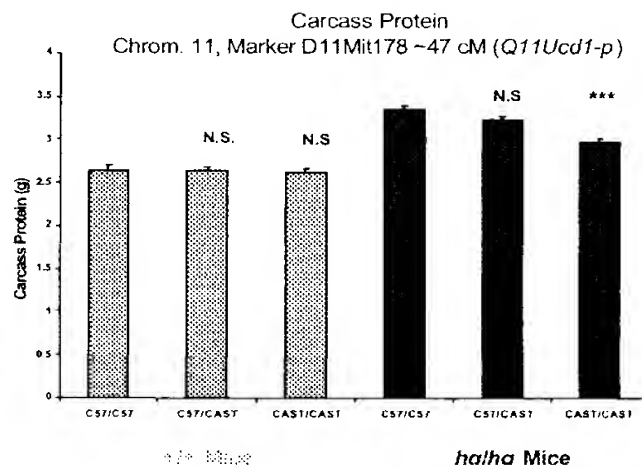
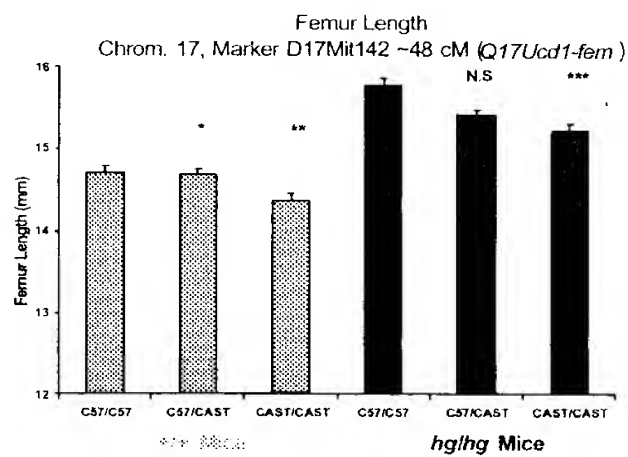
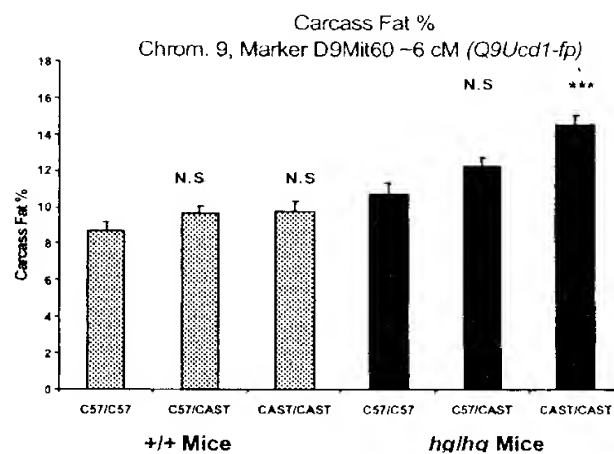
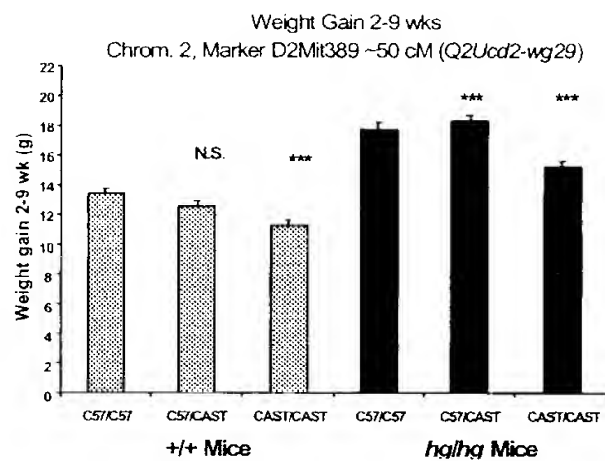
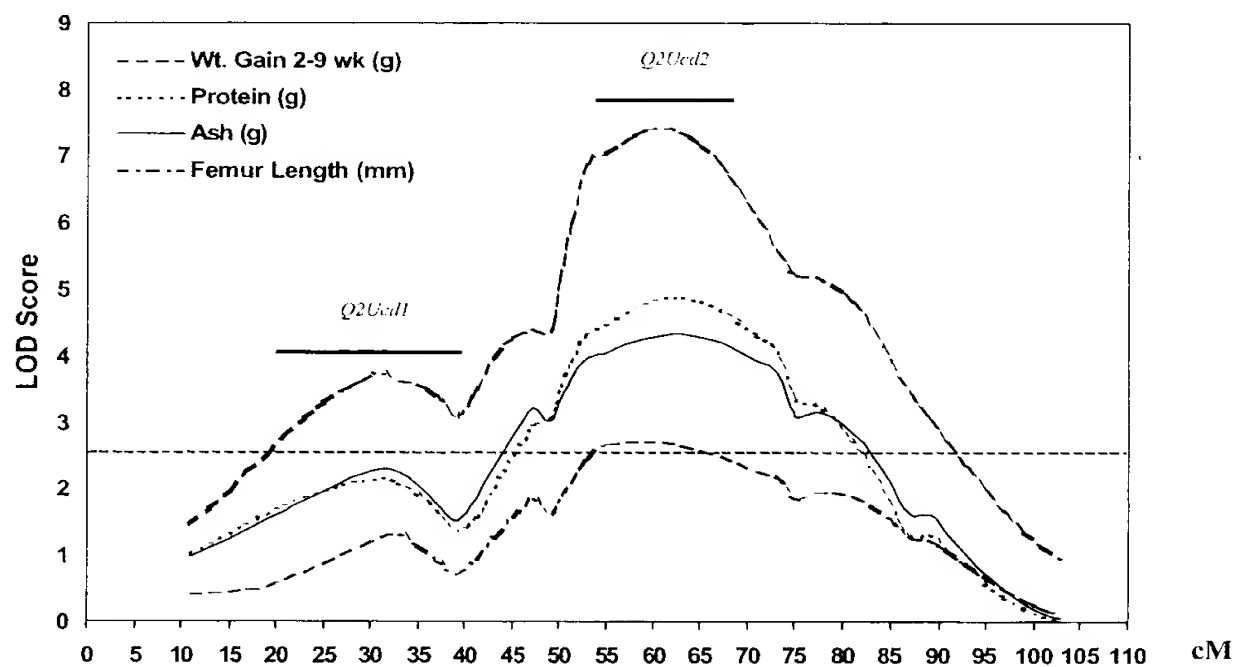


Fig. 11

A: *hgh/hg* mice



B: *+/+* mice

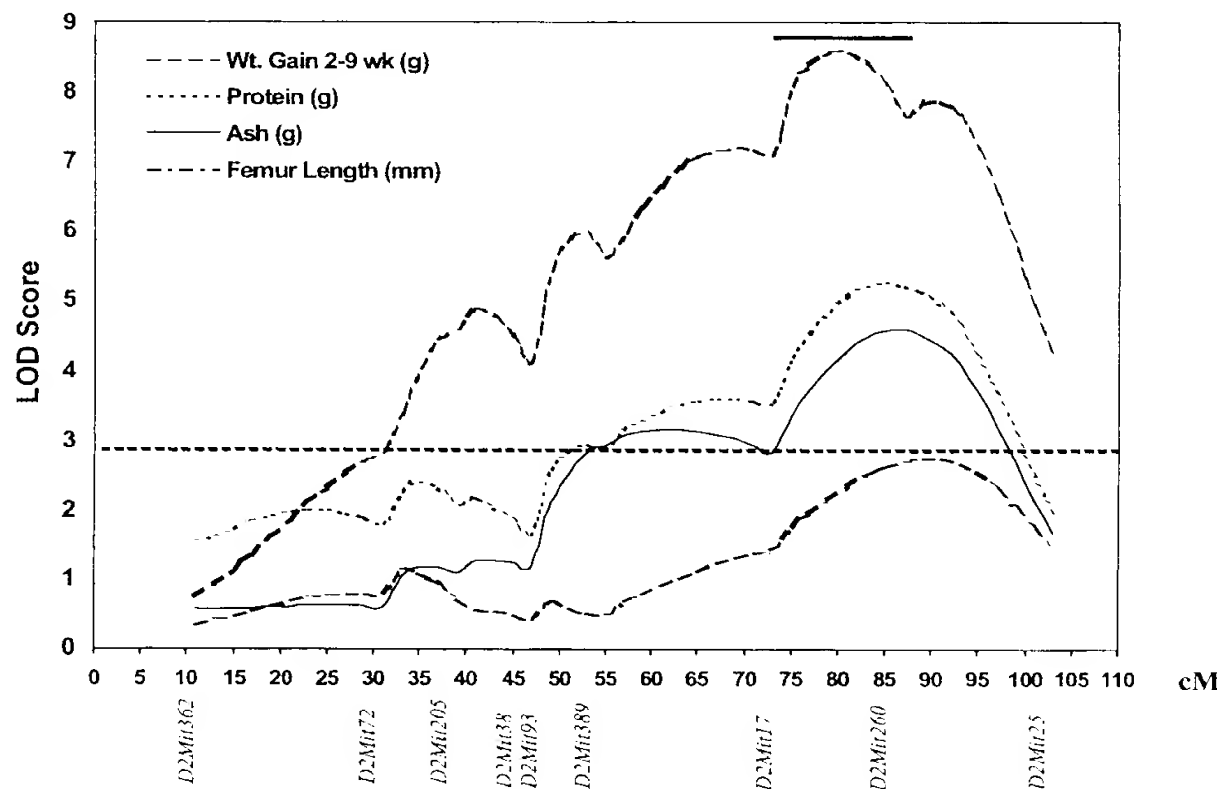


Fig. 12

Deletion breakpoint in
intron 2 of *Socs2/Cish2*

Deletion breakpoint
excluding *Vespr*

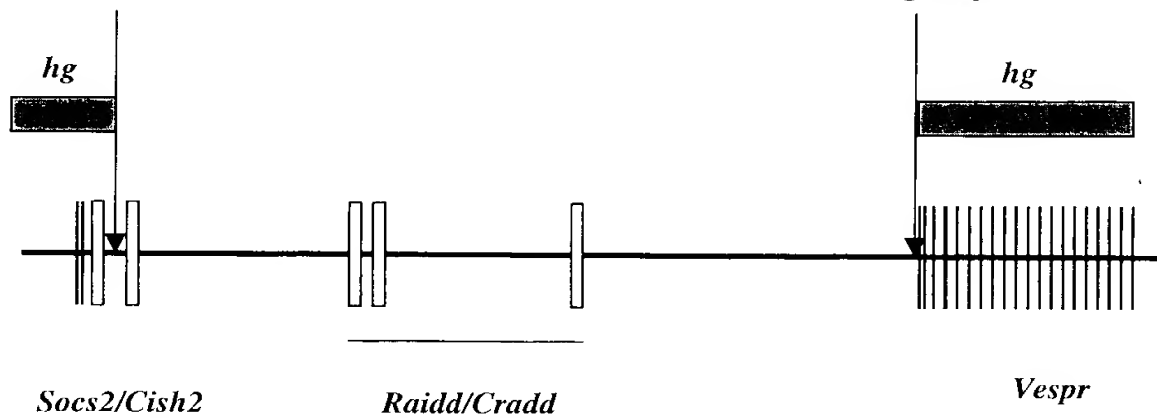


Fig. 13

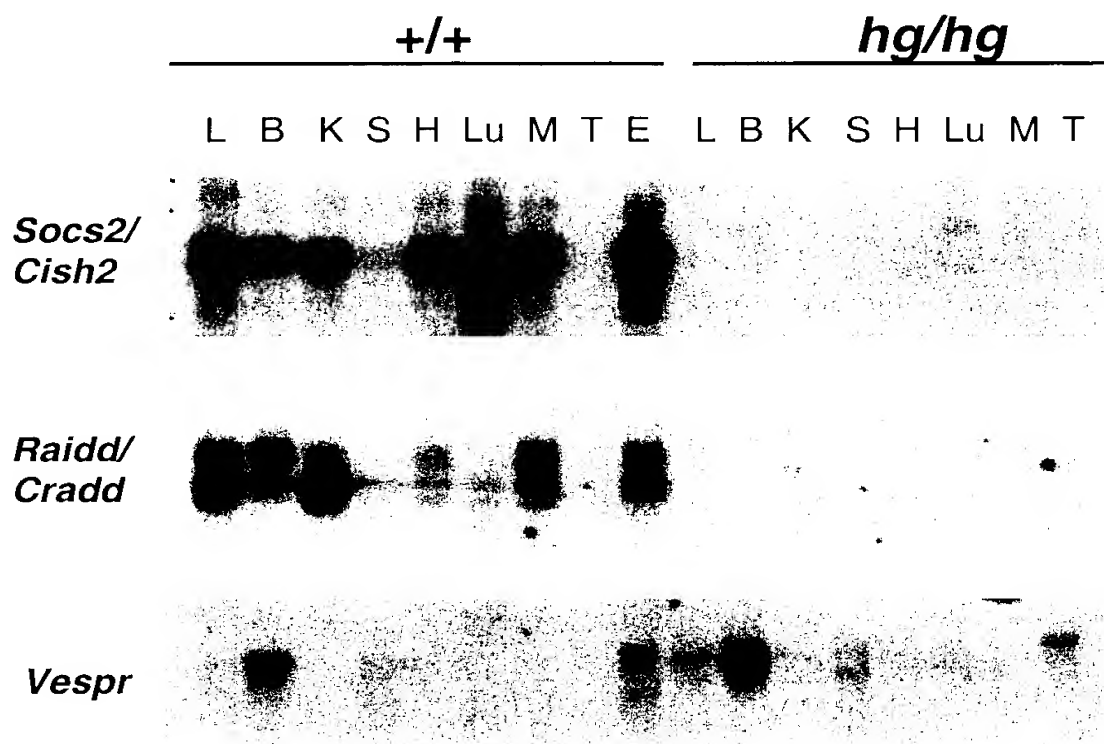


Fig. 14